

**Project Name:**

Water Quality in the California Water Plan Update 2013

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**Project Objective Statement:**

Highlight regional and statewide water quality challenges and recommend strategies to protect and improve water quality to safeguard public health, the environment, and improve water supply reliability.

**Triple Constraint Trade-off**

<b>Resources</b>	M	Select a different flexibility letter for each constraint N= Not Flexible S= Somewhat Flexible M= Most Flexible
<b>Schedule</b>	N	
<b>Scope</b>	S	

<b>Estimated Start Date:</b>	7/1/2011	<b>Estimated End Date:</b>	12/31/2013
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**Project Deliverables:**

Summarize the following Regional Water Quality Topics:

- ✓ Surface Water / Groundwater Quality (include graphics to highlight water quality issues)
- ✓ Drinking Water Systems in the region (number of large/medium/small systems and disadvantaged systems, source of supply)
- ✓ Recycled Municipal Water (quantify amount and percent of wastewater recycled)
- ✓ Current and Future use of Water Quality related Resource Management Strategies within each Region (show links to water supply and habitat)
- ✓ Regional Water Quality Issues and Recommendations (e.g. salinity, nitrates, near coastal, temperature, etc.)
- ✓ Water Quality success stories and/or key projects

Update the following Statewide Water Quality Topics:

- ✓ Water Quality Objective in the Strategic Plan
- ✓ Water Quality in the California Water Today Chapter
- ✓ Water Quality related Resource Management Strategies (RMS):
 

Recycled Municipal Water	Pollution Prevention
Drinking Water Treatment and Distribution	Salt and Salinity Management
Groundwater & Aquifer Remediation	Urban Runoff Management
Matching Water Quality to Use	Recharge Areas Protection
- ✓ Water Quality benefits associated with implementation of each RMS
- ✓ Californians without Safe Drinking Water Report (last updated in 2005)
- ✓ Statewide inventory of water quality facilities (e.g. drinking water systems, wastewater/recycled water treatment plants, etc.)
- ✓ Summary of Water Quality Monitoring & Assessment Databases
- ✓ Water Quality Index for Water Plan Update 2013

**Strategic Fit:**

Supports integrated regional water management  
 Supports Water Plan Update 2009 management objective to improve water quality  
 Provides links/connections between strategies and regional reports

**Customer:**

State Agency Steering Committee  
 Public Advisory Committee  
 Tribal Advisory Committee  
 California Governor's Office and Legislature  
 Federal Agencies (e.g. USBR, USGS, USACE)  
 Local and Regional Water Planners  
 General Public for education on water quality issues and strategies to improve water quality

**Customer Benefits:**

- Highlight regional and statewide water quality issues that must be corrected to protect public health, the environment, and/or water supply reliability.
- Identifies strategies to prevent water quality degradation and improve water quality.

**Successful Completion Criteria:**

- Success of this project will depend on active participation from members of the State Agency Steering Committee, Public Advisory Committee, and Tribal Advisory Committee working to improve the water quality content in the Water Plan.
- Number of entities outside the Water Plan using water quality information found in the Water Plan.
- Number of positive comments on the Water Plan that the water quality information was useful and relevant.

**Project Background:**

Key components of the Water Plan are to highlight existing and future water quality issues that may affect public health, the environment and/or water supply reliability. The Water Plan includes ten (10) Regional Reports and two (2) reports on Areas of Special Interest. Each report includes a water quality section that focuses awareness on water quality issues within the region or area. The water quality work team is responsible for updating each water quality section. A goal for the Water Plan Update 2013 is to include the status of drinking water quality within each regional report.

The Water Plan includes resource management strategies to improve water quality. In Water Plan Update 2009, six (6) strategies were specifically identified to improve water quality these included: Drinking Water Treatment and Distribution, Groundwater and Aquifer Remediation, Matching Water Quality to Use, Pollution Prevention, Salt and Salinity Management, and Urban Runoff Management. The water quality work team is responsible for updating these 6 strategies and 2 others (Recycled Municipal Water and Recharge Areas Protection) that have a strong tie to water quality. A goal for Water Plan Update 2013 is to report on the existing use of strategies within each region and provide recommendations for strategies that may be under utilized in a region.

In Water Plan Update 2005, a report was prepared titled "Californians Without Safe Drinking Water" that focused on drinking water issues that persist at many small disadvantaged communities and tribal communities. The report was not updated in 2009, however will be updated for the next Water Plan.

**Project Scope:**

In Scope:	Out of Scope:
<ul style="list-style-type: none"> <li>Describe regional water quality issues and recommendations</li> <li>Update Resource Management Strategies that improve water quality</li> <li>Show water quality related links/connections between resource management strategies</li> </ul>	<ul style="list-style-type: none"> <li>Developing water quality regulations</li> </ul>

**Dependent Projects:****Dependent/Related Projects:**

- Regional Planning efforts must be underway
- State Agency/Department water quality studies/reports
- State Companion Plans that include water quality related issues and recommendations

**Risks:**

- Limited involvement by water quality experts (due to competing time demands) who provide content for regional reports and resource management strategies
- Lack of interest/participation by members of the State Agency Steering Committee, Public Advisory Committee, and Tribal Advisory Committee
- Lack of participation at Regional Forums
- Lack of participation at Water Quality Caucus
- Turnover of key staff

**Assumptions and Constraints:****Assumptions**

- Water quality experts from agencies/departments outside of DWR receive the full support from their respective executive management to work on water quality content for the water plan.
- No turnover in key staff

**Constraints**

- Draft Water Plan due January 2013
- Water quality experts have other time demands which may limit their involvement with the water plan
- No funding available for state agencies/departments that provide water quality content for the Water Plan

**This Project Should Have:**

<b>Project Management Plan</b> <input type="checkbox"/>	PMP will include: <i>check all that apply</i>	Work Breakdown Structure <input type="checkbox"/>	Communications Plan <input type="checkbox"/>	Procurement Plan <input type="checkbox"/>	Human Resources Plan <input type="checkbox"/>
Quality Management Plan <input type="checkbox"/>	Stakeholder Register <input type="checkbox"/>	Risk Register <input type="checkbox"/>	Project Budget <input type="checkbox"/>	Project Schedule <input type="checkbox"/>	DWR Form 1498 <input type="checkbox"/>

**Major High-Level Milestone Targets:** *What events measure progress? E.g. Initiation Approved, Analysis Complete.*

Milestone	Target Date
Revise Work Plan per Stakeholder Input	Summer - Fall 2011
Form Water Quality Caucus	Summer 2011
Prepare Initial Draft Water Quality Content:	
Resource Management Strategies (Water Quality)	Fall 2011
Inventory of Water Quality facilities & Monitoring/ Assessment Databases	Winter 2011/2012
Regional Water Quality Conditions	Summer 2012
Strategic Plan (Water Quality portion)	Summer 2012
Californians without Safe Drinking Water Report	Summer 2012
Provide Initial Water Quality Content to Editors	Summer 2012
Release Draft Water Plan for Public Comment	Winter 2012/2013
Final Water Plan	Fall 2013

#### Project Core Team Members

Team Member	Phone/E-mail	Role
Lewis Moeller		Project Manager
Jose Alarcon		Team Lead / Technical Support
Water Boards staff		Technical Author/Reviewer
Dept of Public Health Drinking Water staff		Technical Author/Reviewer
Dept of Toxic Substance Control staff		Technical Author/Reviewer
Dept of Water Resources staff		Technical Author/Reviewer
Water Quality Caucus		Technical Reviewer

Charter Version Number: 2	
Updated By: Jose Alarcon	Date: 9/6/11
Approved By:	Date: